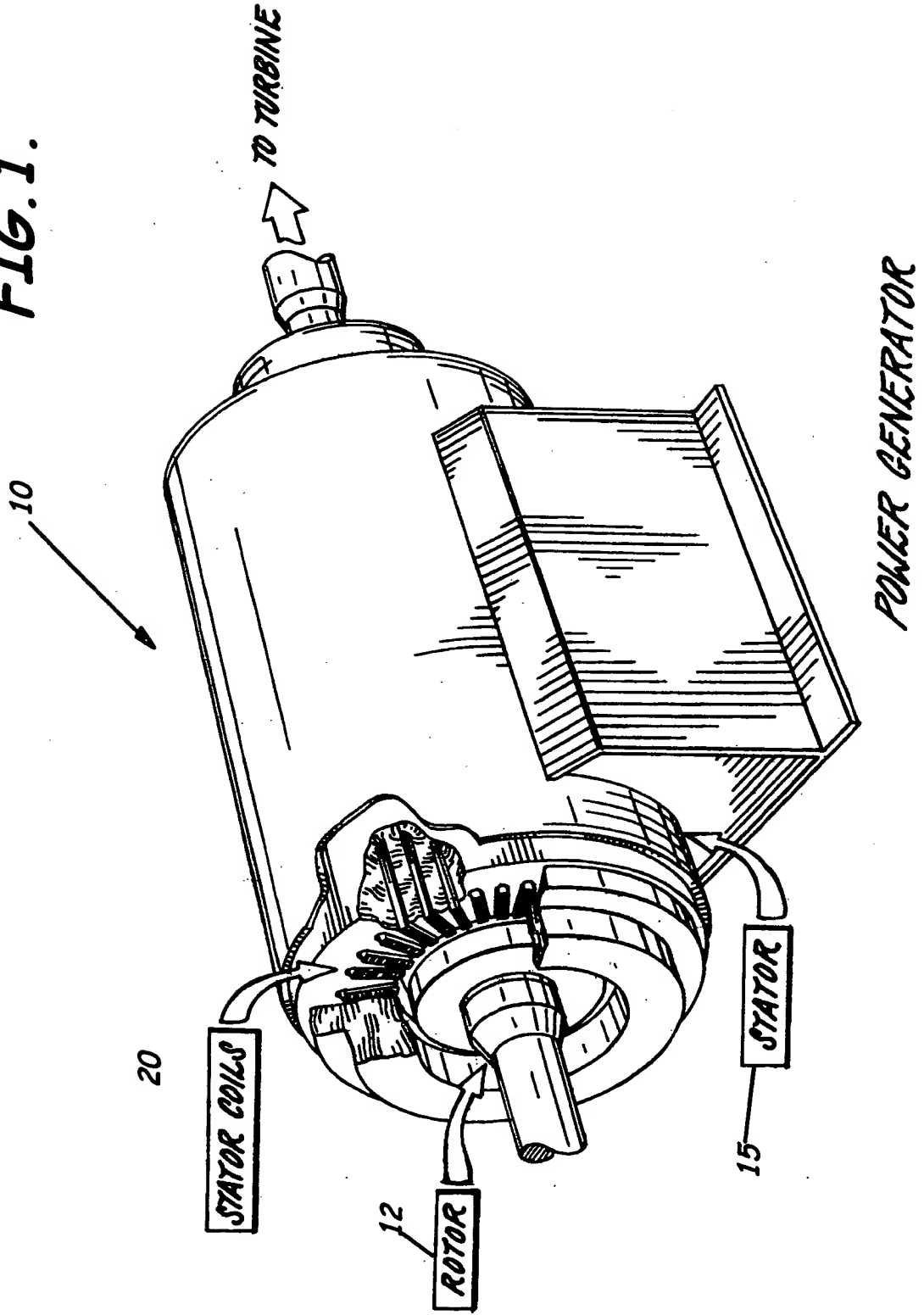
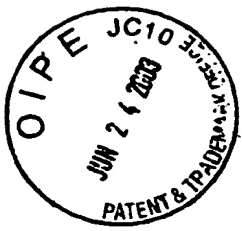


1/7

FIG. 1.





2/7

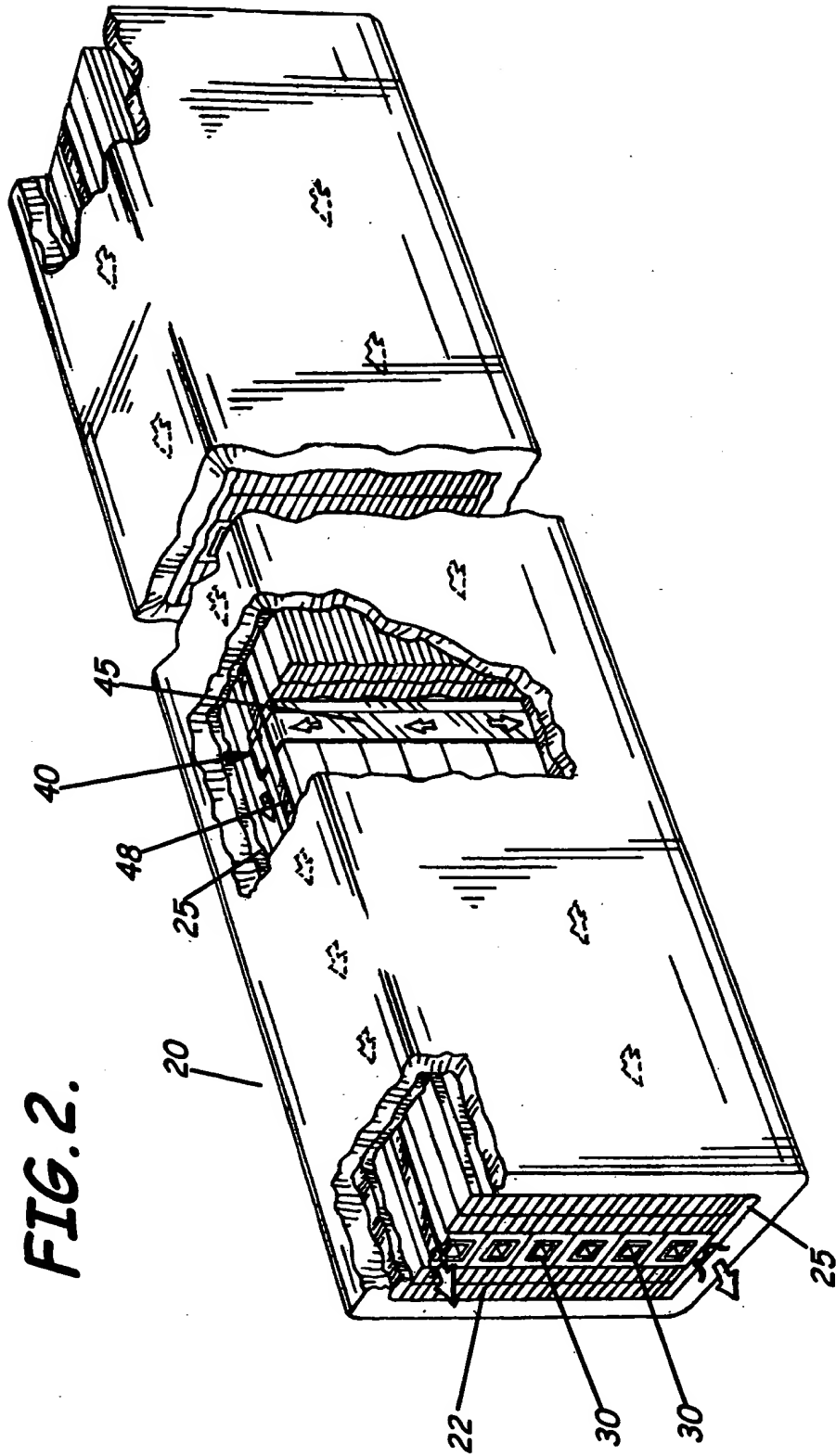


FIG. 2.

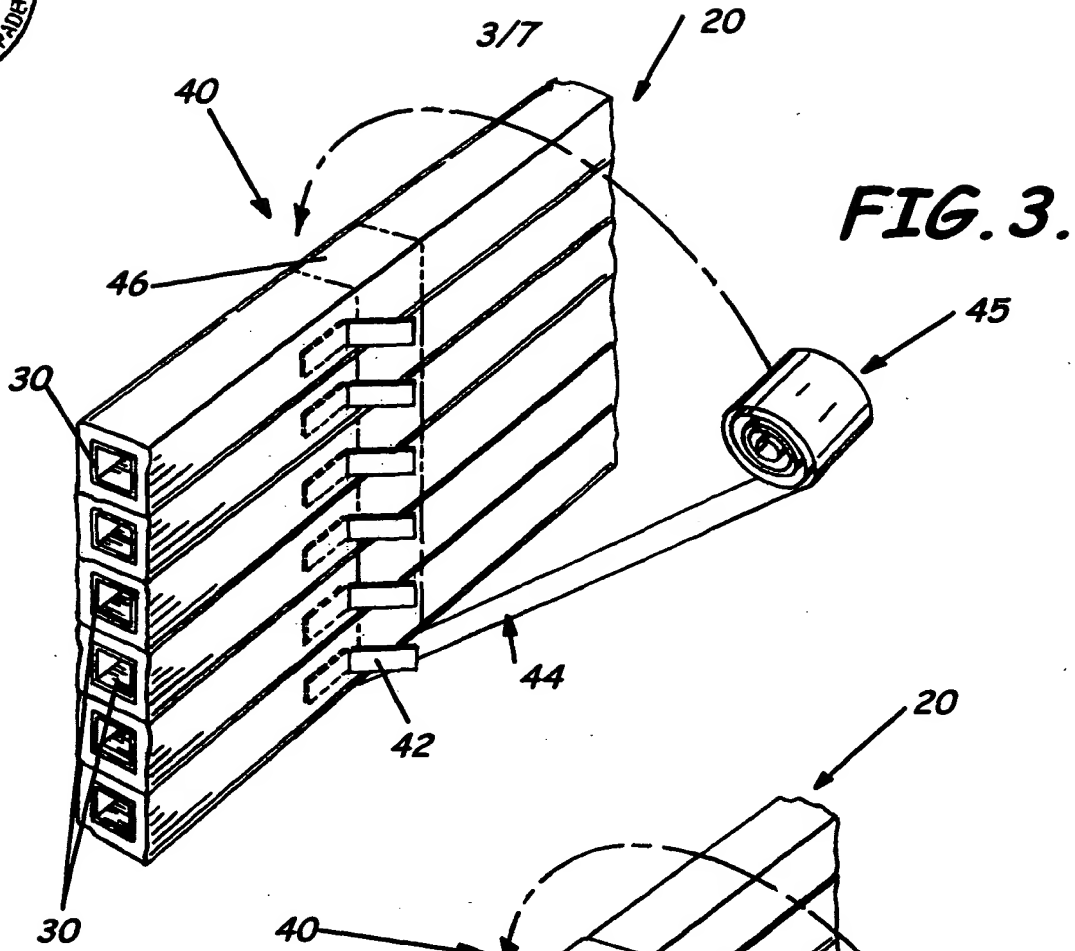
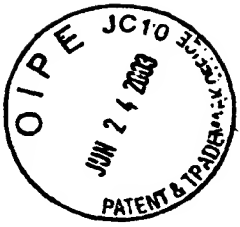


FIG. 3.

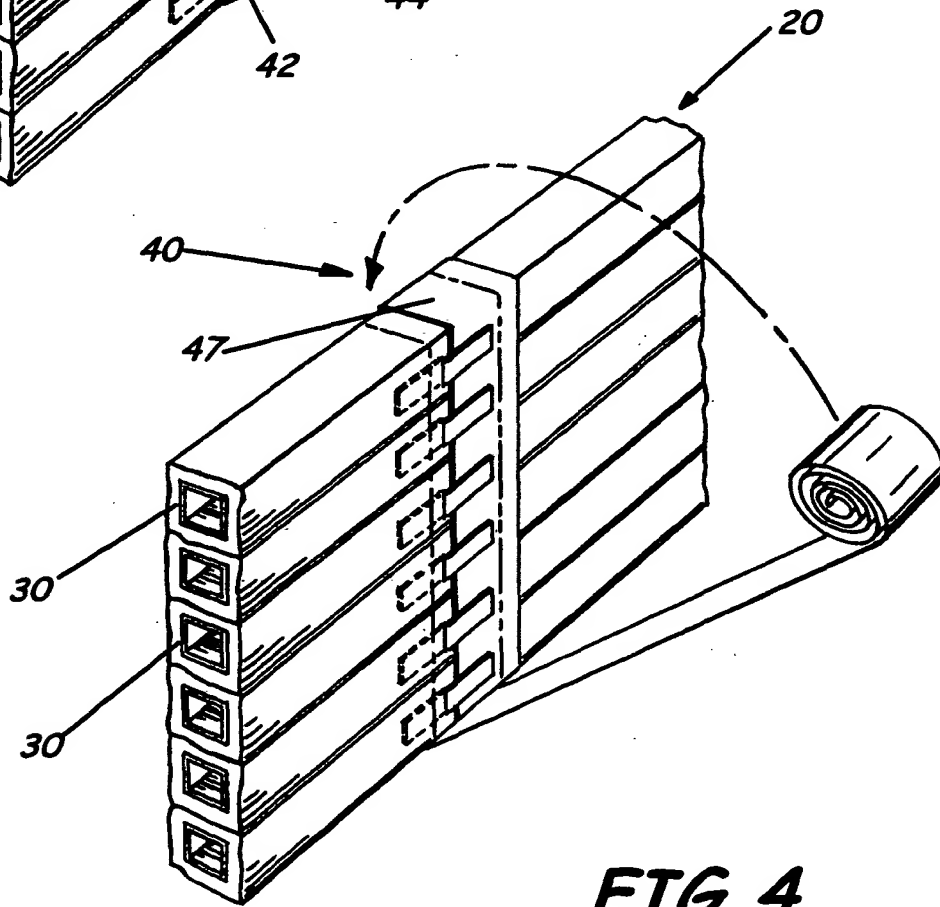


FIG. 4.

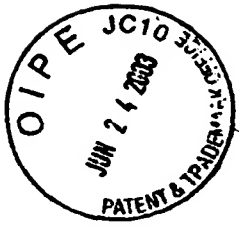


FIG. 5.

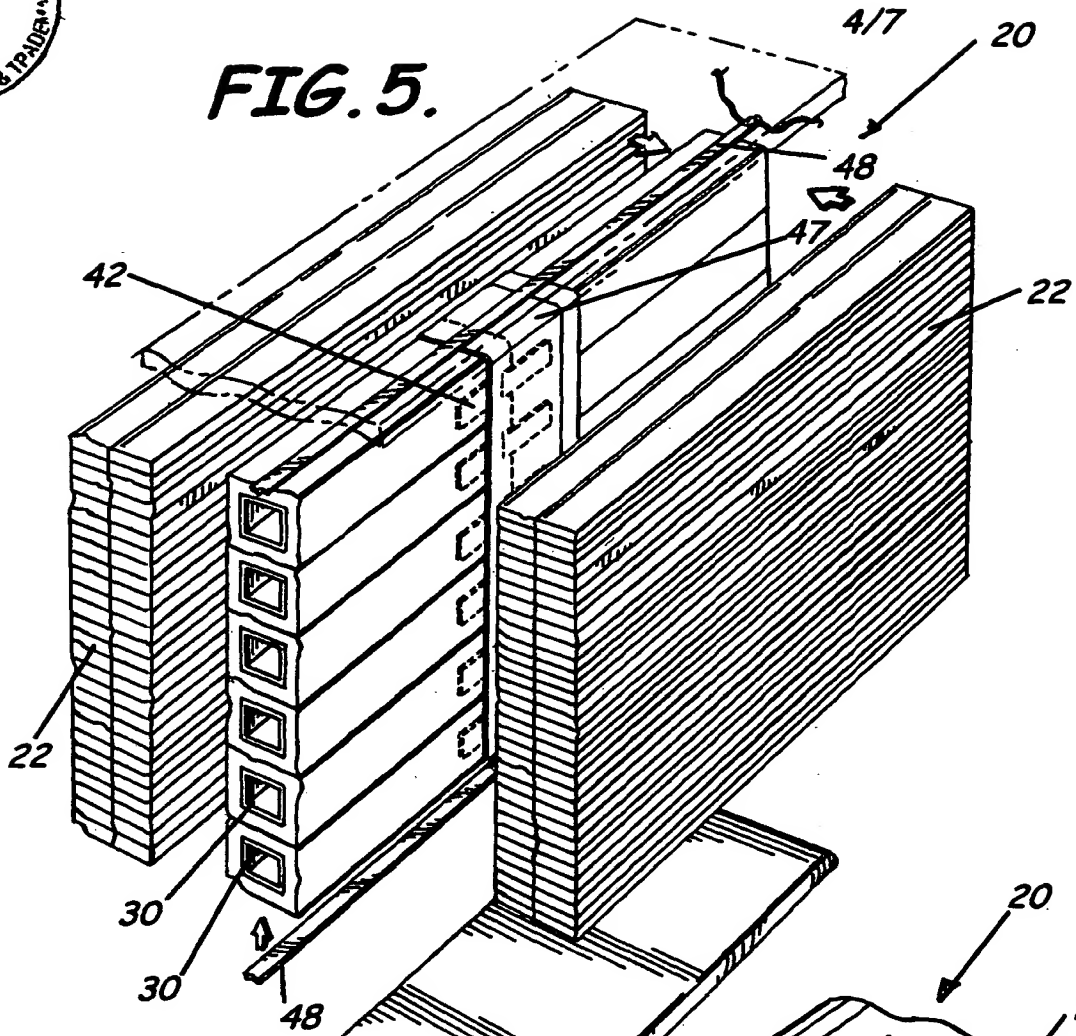
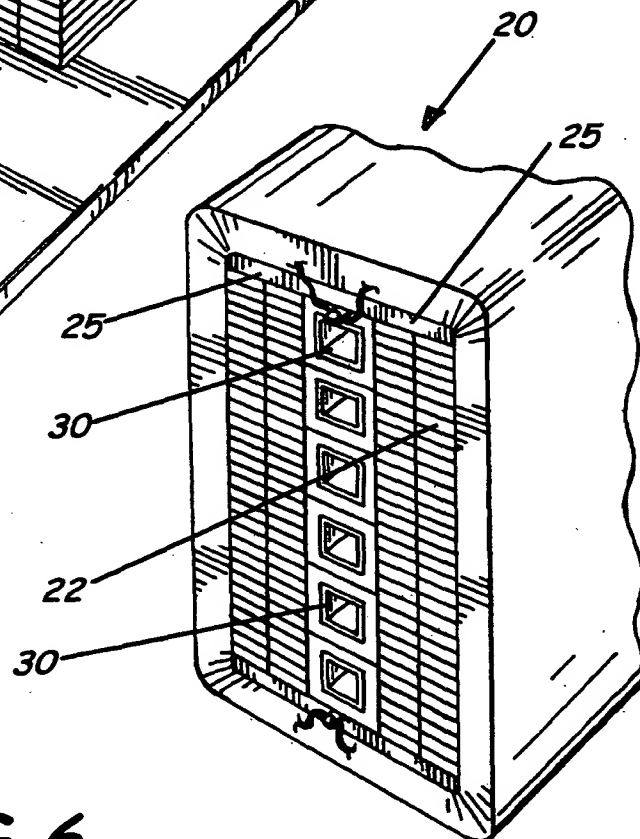
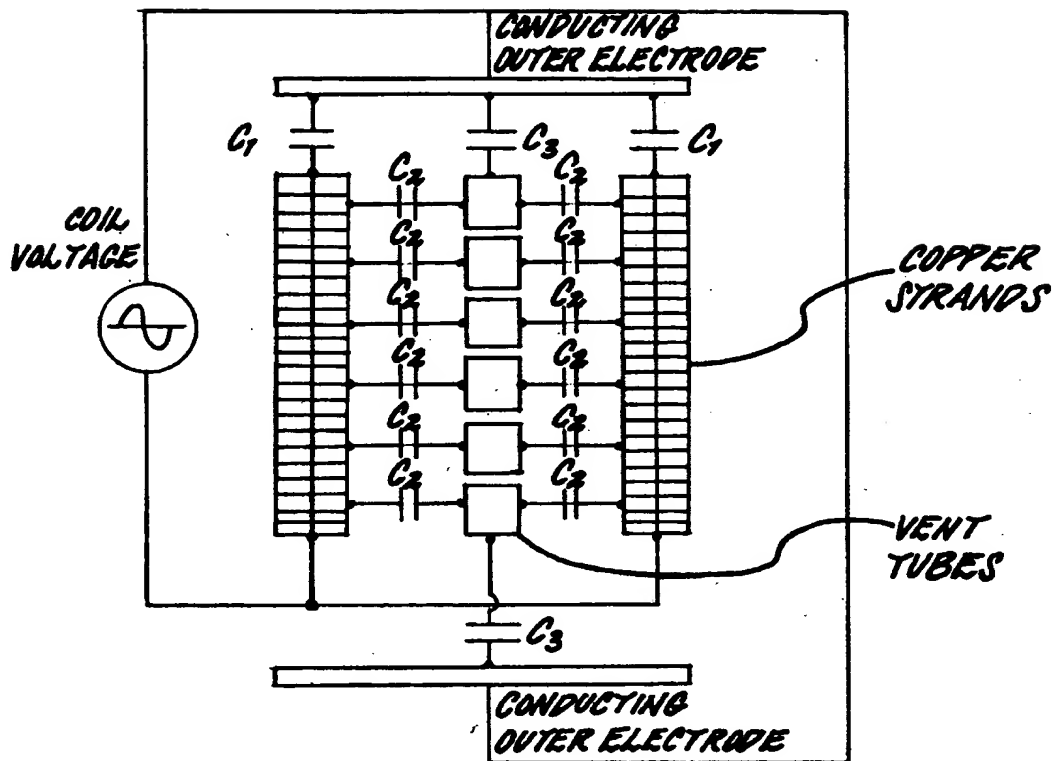


FIG. 6.



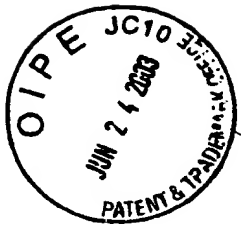


C_1 - CAPACITIVE COUPLING BETWEEN OUTER ELECTRODE TO COPPER STRANDS

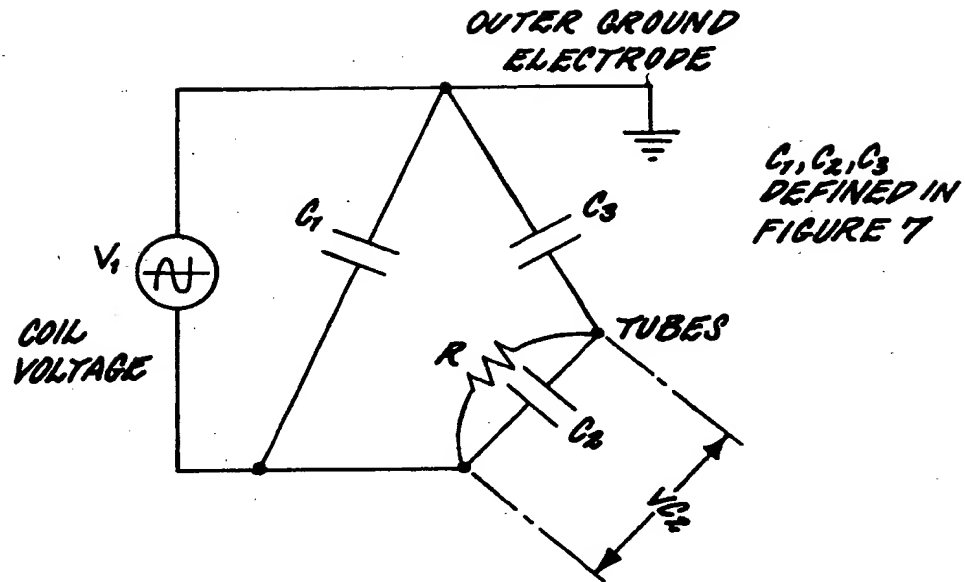
C_2 - CAPACITIVE COUPLING BETWEEN COPPER STRANDS AND ALL COOLING TUBES

C_3 - CAPACITIVE COUPLING BETWEEN OUTER ELECTRODE AND TOP AND BOTTOM TUBES (TOP SURFACE OF TUBES ONLY)

FIG. 7.



6/7



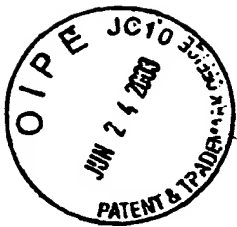
VOLTAGE BETWEEN TUBES AND COPPER = VC_2 WITHOUT R

$$VC_2 = \frac{XC_2}{XC_3 + XC_2} \cdot V_1 \quad X = \text{CAPACITOR REACTANCE}$$

$R \equiv$ VOLTAGE GRADING RESISTOR

$$VC_2 \equiv \frac{R}{XC_3 + R} \cdot V_1 \quad (\text{WITH } R \text{ IN CIRCUIT}) \text{ AND } R \gg XC_2$$

FIG. 8.



7/7

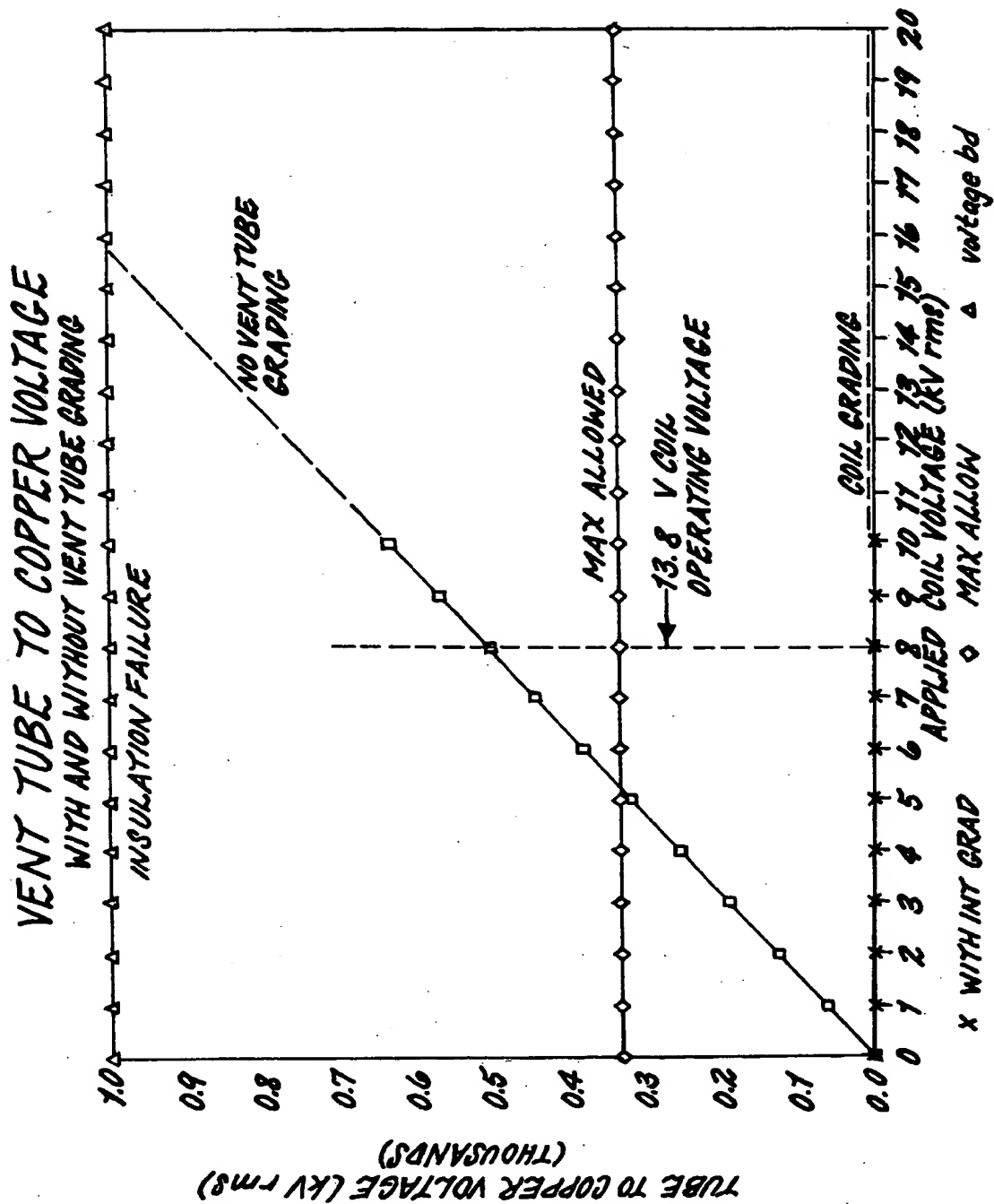


FIG. 9.